

PTO/SB/96 (06-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Tennessee Valley AuthorityApplication No./Patent No.: 09/518,642 Filed/Issue Date: 03/03/2000Reactor Vessel, Method and System for Treating, Sampling, and Trans-  
Entitled: porting Toxic WasteTennessee Valley Authority, a Government agency

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011225, Frame 0198, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

  
Signature

Clifford L. Beach, Jr.

Printed or Typed Name

Attorney

Title

August 5, 2004

Date

865-632-4146

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JANUARY 11, 2001

PTAS

DARLENE K. STEVENSON  
CTR 1C  
P.O. BOX 1010  
MUSCLE SHOALS, AL 35662-1010



\*101514619A\*

476

072.5 Patents

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/01/2000

REEL/FRAME: 011225/0198  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HOLT, GRADY L.

DOC DATE: 08/24/2000

ASSIGNEE:

TENNESSEE VALLEY AUTHORITY  
P.O. BOX 1010  
CTR 1C  
MUSCLE SHOALS, ALABAMA 35662

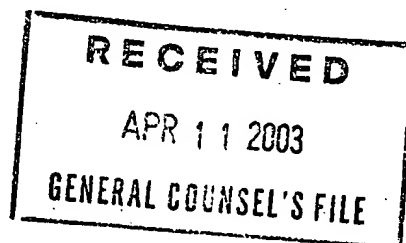
SERIAL NUMBER: 09518642

FILING DATE: 03/03/2000

PATENT NUMBER:

ISSUE DATE:

MARCUS KIRK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027



11-14-2000



101514619

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

9-1-00

## RECORDATION FORM COVER SHEET PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

### Submission Type

☒ New

☐ Resubmission (Non-Recordation)  
Document ID#

☐ Correction of PTO Error  
Reel #  Frame #

☐ Corrective Document  
Reel #  Frame #

### Conveyance Type

☒ Assignment ☐ Security Agreement

☐ License ☐ Change of Name

☐ Merger ☐ Other

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

☐ Departmental File ☐ Secret File

### Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Execution Date  
Month Day Year

Name (line 1)

08242000

Name (line 2)

Execution Date  
Month Day Year

### Second Party

Name (line 1)

Name (line 2)

### Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

AL

35662

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

### Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

### FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**Correspondent Name and Address**

Area Code and Telephone Number (256) 386-2363

Name STEVENSON, DARLENE K.

Address (line 1) CTR 1C

Address (line 2) P.O. Box 1010

Address (line 3) MUSCLE SHOALS AL 35662-1010

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# 2

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**

09518642

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:  
Deposit Account

Enclosed ☐

Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 200510

Authorization to charge additional fees:

Yes

☒

No

☐

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

DARLENE STEVENSON

Name of Person Signing

*Darlene Stevenson*

Signature

8/28/2000

Date

## **ASSIGNMENT**

WHEREAS, I, Grady Lynn Holt, while employed by the Tennessee Valley Authority, a corporation of the United States organized and existing under and by virtue of an act of Congress, by virtue of and incidental to such employment have invented a certain improvement, for which I have made application for Letters Patent of the United States; and whereas the Tennessee Valley Authority is desirous of acquiring an interest therein:

NOW, THEREFORE, in compliance with Section 5, paragraph (i) of the Tennessee Valley Authority Act, as an incident of such employment, and for good and valuable consideration, receipt whereof is hereby acknowledged, I, Grady Lynn Holt, by these presents do sell, assign, and transfer unto the Tennessee Valley Authority, its successors and assigns, the entire right, title and interest for the territory of the United States of America and for all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, in and to the invention, as described in the application filed March 3, 2000, serial number 09/518,642, preparatory to obtaining Letters Patent of the United States therefor; said invention, application, and Letters Patent to be held and enjoyed by said Tennessee Valley Authority, as assignee, for its own use and behoof, and for its legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this Assignment and sale not been made; and I hereby agree that said assignee may apply for foreign Letters Patent on said invention.

AND I do further agree, without additional consideration, to sign and execute all papers, make all rightful oaths and declarations, and do all requisite acts in connection with the United States and foreign applications when called upon to do so by said assignee, including those necessary for the filing of any disclaimer or for the filing and assignment of any divisional, continuing, or reissue application or applications based on said invention.

AND I do still further agree to communicate to the Tennessee Valley Authority, its successors, assigns, or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

AND I do hereby covenant that I have the full right to make this assignment and warrant that there are no outstanding assignments, grants, licenses, liens, encumbrances, and/or agreements, either express or implied, with respect to said invention and/or said application for Letters Patent at the time of execution of this Assignment.

Executed this 24<sup>th</sup> day of August, 2000.

Grady Lynn Holt

State of Alabama     )  
County of Colbert    )

On this 24<sup>th</sup> day of August, 2000, before me personally appeared Grady Lynn Holt, to me known to be the person(s) described in, and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

Valene Stevenson  
Notary Public

SEAL

My commission expires 11-7-2001.